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TITLE : MODIFIED POLYPHENYLENE ETHER-BASED RESIN COMPOSITION

ABSTRACT : PURPOSE: To provide the title composition excellent in molding processability, impact resistance and thermal stability, suitable for e.g. large-size molding, comprising each specific modified polyphenylene ether-based resin, impact-resistant styrene-based resin, modified block copolymer resin and styrenebased resin at specified proportion.

CONSTITUTION: The objective composition comprising (A) 10-90 pts.wt. of a polyphenylene ether-based resin modified with an unsaturated carboxylic acid like maleic acid or its derivative, (B) 90-10 pts.wt. of an impact-resistant styrene-based resin containing high-cis-conjugated diene rubber $\geq 50\%$ in 1,4-cis bond and $\leq 10\%$ in 1,2-vinyl bond, (C) 0-80 pts.wt. of a styrene-based resin, and (D) 0-20 pts.wt. of a modified block copolymer resin made up of (1) styrene-based polymer block modified with an unsaturated carboxylic acid such as maleic acid or its derivative and (2) olefin elastomer block.

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